

-(54)FRDLCIVYR(62) binding stably to HLA molecules of the A3 or All type, and

-(59)IVYRDGNPY(67) binding stably to HLA molecules of the A3 or All type.

30. (new) The polyepitope according to claim 29, wherein said polyepitope is a polyepitope of the E6 protein of HPV comprising 17 amino acids delimited by amino acids located in positions 46 and 62 of SEQ ID NO: 6.

31. (new) The polyepitope according to claim 25, wherein said polyepitope is a polyepitope of the E6 protein of HPV comprising 22 amino acids delimited by amino acids located in positions 46 and 67 of SEQ ID NO: 6.

2  
~~32.~~ (new) A polyepitope comprising amino acids 46 and 62 of SEQ ID NO : 6.

3  
~~33.~~ (new) A polyepitope comprising amino acids 46 and 67 of SEQ ID NO : 6.

4  
~~34.~~ (new) A polyepitope <sup>consisting essentially of</sup> ~~comprising~~ SEQ ID NO : 6.

~~35.~~ (new) A polypeptide of E6 protein from HPV, comprising 17 amino acids delimited by amino acids located in positions 46 and 62, or to 22 amino acids delimited by amino acids located in positions 46 and 67 of the peptide sequence of the E6 protein of HPV, characterized by the peptide sequence SEQ ID NO: 6 as follows:

(46) RREVDFAFRDLCIVYRDGNPY (67)

said peptide sequence contains 6 epitopes binding stably to at least one of the 10 HLA molecules of the following types: A2, A3, A11, A24, A29, B7, B27, B35, B44, or B51, said epitopes being the following:

-(46)RREVDFAFR(55) binding stably to HLA molecules of the B27 type,

-(49)VYDFAFRDL(57) binding stably to HLA molecules of the A24 type,

-(50)YDFAFRDL(57) binding stably to HLA molecules of the A29 or B44 type,

-(52)FAFRDLCIV(60) binding stably to HLA molecules of the A2, B35, B51, or B7 type,

-(54)FRDLCIVYR(62) binding stably to HLA molecules of the A3 or A11 type, and

-(59)IVYRDGNPY(67) binding stably to HLA molecules of the A3 or A11 type.